L Number	Hits	Search Text	DB	Time stamp
	2464	sound and volume same level and threshold	USPAT;	2003/06/23
			EPO; JPO	10:14
-	3	(("6,140,568") or ("3,894,186")).PN.	USPAT:	2002/08/09
			EPO; JPO	09:52
-	142	(sound and volume same level and threshold) and anal\$8 and 704/.ccls.	USPAT;	2003/01/21
ł			EPO; JPO	10:47
-	12	((sound and volume same level and threshold) and anal\$8 and 704/.ccls.) and pitch same limit	USPAT;	2003/01/21 10:51
			EPO; JPO	
-	10	(((sound and volume same level and threshold) and anal\$8 and 704/.ccls.) and pitch same limit) and	USPAT;	2003/01/21
Î		parameter	EPO; JPO	10:52
-	16	(voice or speech) and transform same (email or e-mail)	USPAT;	2003/01/21
			EPO: JPO	10:52
-	198	(pitch with extract\$4) and (scale not (scaled or scaling)) and note	USPAT;	2003/06/23
		•	US-PGPUB:	12:19
			EPO; JPO;	
i			DERWENT;	
			IBM_TDB	
-	146	((pitch with extract\$4) and (scale not (scaled or scaling)) and note) and (@prad<=19990810 or	USPAT:	2003/06/23
		@pd<=19990810 or @ad<=19990810)	EPO; JPO	13:11
-	62	(((pitch with extract\$4) and (scale not (scaled or scaling)) and note) and (@prad<=19990810 or	USPAT:	2003/06/23
		@pd<=19990810 or @ad<=19990810)) and signal same analy\$8	EPO; JPO	12:22
-	10	((((pitch with extract\$4) and (scale not (scaled or scaling)) and note) and (@prad<=19990810 or	USPAT;	2003/06/23
		@pd<=19990810 or @ad<=19990810)) and signal same analy\$8) and (determine or find or pick or	EPO; JPO	12:23
		select or choose or opt) with scale		
-	22	((((pitch with extract\$4) and (scale not (scaled or scaling)) and note) and (@prad<=19990810 or	USPAT;	2003/06/23
		@pd<=19990810 or @ad<=19990810)) and signal same analy\$8) and (designat\$4 or determin\$4 or	EPO; JPO	12:29
		find\$4 or pick\$4 or select\$4 or choos\$4 or opt\$4) with scale		
-	25	((((pitch with extract\$4) and (scale not (scaled or scaling)) and note) and (@prad<=19990810 or	USPAT:	2003/06/23
		@pd<=19990810 or @ad<=19990810)) and signal same analy\$8) and (designat\$4 or determin\$4 or	EPO; JPO	15:30
		find\$4 or pick\$4 or select\$4 or choos\$4 or opt\$4) with note		
-	136	((pitch with extract\$4) and (scale not (scaled or scaling)) and note) and (@prad<=19980901 or	USPAT;	2003/06/23
		@pd<=19980901 or @ad<=19980901)	EPO: JPO	13:12
-	24	(((((pitch with extract\$4) and (scale not (scaled or scaling)) and note) and (@prad<=19990810 or	USPAT;	2003/06/23
		@pd<=19990810 or @ad<=19990810)) and signal same analy\$8) and (designat\$4 or determin\$4 or	EPO; JPO	15:13
-		find\$4 or pick\$4 or select\$4 or choos\$4 or opt\$4) with note) and (@prad<=19980901 or		
		@pd<=19980901 or @ad<=19980901)		1
.	10	(US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT	2003/06/23
		US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$).did.		13:33

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-	10	((US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT;	2003/06/23
		US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$).did.)	EPO; JPO	13:33
	1	and (@prod<=19980901 or @pd<=19980901 or @ad<=19980901)		
-	7	(((US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT;	2003/06/23
		US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$).did.)	EPO; JPO	13:56
		and (@prad<=19980901 or @pd<=19980901 or @ad<=19980901)) and display		
-	6	(((US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT;	2003/06/23
		US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$).did.)	EPO; JPO	13:58
		and (@prad<=19980901 or @pd<=19980901 or @ad<=19980901)) and note with scale		İ
-	7	(((US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT;	2003/06/23
		US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$).did.)	EPO; JPO	15:14
		and (@prad<=19980901 or @pd<=19980901 or @ad<=19980901)) and note with (scale or pitch)		Ì
-	11	(US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT	2003/06/23
	l	US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or		15:14
	ì	US-5488196-\$).did.		
-	8	((US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT;	2003/06/23
		US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or	EPO; JPO	15:14
	1	US-5488196-\$).did.) and note with (scale or pitch)		
-	8	(((US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT;	2003/06/23
	}	US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or	EPO: JPO	15:40
	1	US-5488196-\$).did.) and note with (scale or pitch)) and (designat\$4 or determin\$4 or find\$4 or		
		pick\$4 or select\$4 or choos\$4 or opt\$4) with note		
-	6	((US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT;	2003/06/23
		US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or	EPO; JPO	16:07
	İ	US-5488196-\$).did.) and (volume or amplitude or strength or loud\$4) with (display\$4 or show\$4)		
-	1	((US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT;	2003/06/23
	ŀ	US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or	EPO; JPO	16:24
		US-5488196-\$).did.) and (diatonic or non-diatonic)	ì	
-	0	((U5-6035009-\$ or U5-4777649-\$ or U5-5171930-\$ or U5-4771671-\$ or U5-4688464-\$ or	USPAT;	2003/06/23
		US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or	EPO: JPO	16:25
	1	US-5488196-\$).did.) and (diatonic or non-diatonic) same (narrow\$4 or semi-tone or half-step or		
	1	limit\$4)		
-	0	((US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT;	2003/06/23
	1	US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or	EPO; JPO	16:26
	1	U5-5488196-\$).did.) and (diatonic or non-diatonic) same (narrow\$4 or (semi or half) adj (tone or	1	
		step) or limit\$4)		
-	67	(diatonic or non-diatonic) same (narrow\$4 or (semi or half) adj (tone or step) or limit\$4)	USPAT;	2003/06/23
	1		EPO; JPO	16:36
-	14	((diatonic or non-diatonic) same (narrow\$4 or (semi or half) adj (tone or step) or limit\$4)) and	USPAT;	2003/06/23
	L	frequency same (range or limit)	EPO: JPO	16:47

-	686	(((U5-6035009-4 or U5-4777649-\$ or U5-5171930-\$ or U5-4771671-\$ or U5-4688464-	USPAT;	2003/06/23
ļ		US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or	EPO: JPO	16:49
		US-5488196-\$).did.) or ((diatonic or non-diatonic) same (narrow\$4 or (semi or half) adj (tone or		
		step) or limit\$4))) and (note with length) or ((whole or half or full or quarter) adj note)		
-	23	(((US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT;	2003/06/23
		US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or	EPO; JPO	17:19
		U5-5488196-\$).did.) or ((diatonic or non-diatonic) same (narrow\$4 or (semi or half) adj (tone or		
		step) or limit\$4))) and ((note with length) or ((whole or half or full or quarter) adj note))	1	
	18	((((U5-6035009-\$ or U5-4777649-\$ or U5-5171930-\$ or U5-4771671-\$ or U5-4688464-\$ or	USPAT:	2003/06/23
		US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or	EPO: JPO	16:59
		US-5488196-\$).did.) or ((diatonic or non-diatonic) same (narrow\$4 or (semi or half) adj (tone or		
	Į į	step) or limit\$4))) and ((note with length) or ((whole or half or full or quarter) adj note))) and (
		(note with length))		
-	18	((((U5-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT;	2003/06/23
	1	US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or	EPO: JPO	17:21
		US-5488196-\$).did.) or ((diatonic or non-diatonic) same (narrow\$4 or (semi or half) adj (tone or		
	1	step) or limit\$4))) and ((note with length) or ((whole or half or full or guarter) adj note))) and (
		(note with (length or duration)))		
_	5	((((US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT;	2003/06/23
	İ	US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or	EPO: JPO	17:19
		US-5488196-\$).did.) or ((diatonic or non-diatonic) same (narrow\$4 or (semi or half) adj (tone or		ŀ
		step) or limit\$4))) and ((note with length) or ((whole or half or full or guarter) adj note))) not		
		(((((US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or		
		US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or		
		US-5488196-\$).did.) or ((diatonic or non-diatonic) same (narrow\$4 or (semi or half) adj (tone or		
		step) or limit\$4))) and ((note with length) or ((whole or half or full or guarter) adj note))) and (
		(note with (length or duration))))	1	
-	6	((US-6035009-\$ or US-4777649-\$ or US-5171930-\$ or US-4771671-\$ or US-4688464-\$ or	USPAT;	2003/06/23
		US-5038658-\$ or US-5287789-\$ or US-5756918-\$ or US-5850051-\$ or US-6525255-\$ or	EPO; JPO	17:20
		US-5488196-\$).did.) and ((note with (length or duration)))	ļ	
-	12	(US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or	USPAT	2003/06/24
		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or		08:02
		US-4771671-\$ or US-4688464-\$).did.		
-	8	((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or	USPAT;	2003/06/24
		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB;	08:25
		US-4771671-\$ or US-4688464-\$).did.) and (close\$4 or near\$4) with note	EPO; JPO;	
			DERWENT;	
			IBM_TDB	1

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	T		r	1
-	8	((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or	USPAT;	2003/06/24
1		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB;	08:26
ļ		US-4771671-\$ or US-4688464-\$).did.) and (close\$4 or near\$4 or approximat\$4) same note	EPO: JPO:	
	l .		DERWENT;	
ļ			IBM_TDB	
-	10	((USPAT;	2003/06/24
i		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB;	08:27
		U5-4771671-\$ or U5-4688464-\$).did.) and note	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	8	/ //	USPAT;	2003/06/24
		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB;	09:30
		US-4771671-\$ or US-4688464-\$).did.) and note with pitch	EPO; JPO;	
1			DERWENT;	
1			IBM_TDB	ĺ
-	10	((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or	USPAT;	2003/06/24
i		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB;	09:31
		US-4771671-\$ or US-4688464-\$).did.) and volume	EPO; JPO;	
1		•	DERWENT;	
}			IBM_TDB	
-	7	((00 00) 1100 4 01 00 000000 4 01 00 10 10 10 10 10 10 10 10 10 10 10	USPAT;	2003/06/24
l		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB;	09:32
1		US-4771671-\$ or US-4688464-\$).did.) and volume with (input or signal)	EPO; JPO;	
	1		DERWENT;	
i	_		IBM_TDB	
-	9	((00 00) 100 4 01 00 0000000 4 01 00 101 101 101	USPAT;	2003/06/24
ļ		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB:	09:46
		US-4771671-\$ or US-4688464-\$).did.) and (amplitude or volume or intensity) with (input or signal)	EPO; JPO;	
	1		DERWENT;	1
}	5	///	IBM_TDB	
-	٦	((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or	USPAT;	2003/06/24
	!	US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB;	09:36
	i .	US-4771671-\$ or US-4688464-\$).did.) and (amplitude or volume or intensity) with (input or signal)	EPO; JPO;	!
		same threshold	DERWENT;	
	6	(I) 10 200410/ # HE (025000 # HE 5171020 # HE 4777/40 # HE 177020 #	IBM_TDB	2002/0//24
-	•	((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or	USPAT;	2003/06/24
		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB;	10:10
		US-4771671-\$ or US-4688464-\$).did.) and (amplitude or volume or intensity) with (input or signal)	EPO; JPO;	
	ļ	same (threshold or limit)	DERWENT:	
L			IBM_TDB	

-	9	((US-3894186-\$-5r US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$	USPAT;	2003/06/24
		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB:	09:47
		US-4771671-\$ or US-4688464-\$).did.) and (amplitude or volume or intensity) with (input or signal	EPO; JPO;	
		or level)	DERWENT;	
			IBM_TDB	
-	7	((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or	USPAT:	2003/06/24
		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB;	10:45
		US-4771671-\$ or US-4688464-\$).did.) and (amplitude or volume or intensity or power or	EPO; JPO;	
		strength) with (input or signal) same (threshold or limit)	DERWENT:	
			IBM_TDB	
-	12	((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or	USPAT;	2003/06/24
		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB:	10:46
		US-4771671-\$ or US-4688464-\$).did.) and (display with threshold or limit or range)	EPO; JPO;	
			DERWENT;	
	1		IBM_TDB	
-	3	((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or	USPAT;	2003/06/24
		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB;	10:52
		US-4771671-\$ or US-4688464-\$).did.) and (display with (threshold or limit or range))	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	2	("4,457,203").PN.	USPAT;	2003/06/24
			US-PGPUB;	10:47
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	5	704/.ccls. and volume same (display with (threshold or limit or range))	USPAT;	2003/06/24
			US-PGPUB;	10:56
	ļ		EPO; JPO:	
	į		DERWENT:	
		270.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	IBM_TDB	
-	3	(704/.ccls. and volume same (display with (threshold or limit or range))) and (@prad<=20010501 or	USPAT;	2003/06/24
		@pd<=20010501 or pd<=20010501)	EPO; JPO	10:54
-	3	(704/.ccls. and volume same (display with (threshold or limit or range))) and (@prad<=20010501 or	USPAT;	2003/06/24
	1304	@pd<=20010501 or @ad<=20010501)	EPO; JPO	10:56
-	1284	(@prad<=20010501 or @pd<=20010501 or @ad<=20010501) and volume same (display with	USPAT;	2003/06/24
		(threshold or limit or range))	US-PGPUB;	10:59
			EPO; JPO;	
			DERWENT:	
	L	· · · · · · · · · · · · · · · · · · ·	IBM_TDB	L

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-	1	5287789.PN. and (sound or audio) with signal	USPAT;	2003/06/24
			US-PGPUB:	11:21
			EPO; JPO;	
			DERWENT;	
ı			IBM_TDB	
-	10	((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or	USPAT;	2003/06/24
		US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or	US-PGPUB;	11:23
		US-4771671-\$ or US-4688464-\$).did.) and pitch with (range or limit or span or threshold)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	